



UNITED STATES MARINE CORPS
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IN REPLY REFER TO:

5090/13692

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April 18, 2016

Ms. Melanie Bartlett
North Carolina Department of
Environment Quality
Superfund Section
1646 Mail Service Center
Raleigh, North Carolina 27699-1646

RECEIVED

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Superfund Section

Dear Ms. Bartlett:

Enclosed for your review is the Semi-Annual Groundwater Monitoring Report for Solid Waste Management Unit (SWMU) Petroleum, Oil, and Lubricant (POL) Spill Site. The SWMU POL Spill Site is located near the Cryogenics Area in the northern portion of Marine Corps Air Station (MCAS) Cherry Point and it contains both an open, grassy area and a wooded area. This site contained a large volume JP-5 jet fuel bladder and according to base records was the location of a one-time fuel release in 1985.

The extent of soil contamination in the central portion of the site was defined previously in the 2004 investigation performed by CATLIN Engineers and Scientists. In June 2009, free-phase product was detected in two groundwater monitoring wells resulting in additional assessment activities which successfully defined the extent of the free-phase product and the extent of dissolved-phase groundwater contamination. In 2010, a Corrective Measures Study (CMS) was submitted and approved to address the soil and groundwater contamination at this site. Per the CMS, in January 2012, BioSolve® Surfactant was injected into four wells followed by two Aggressive Fluid Vapor Recovery (AFVR) events to remove the free-phase product present. Since the last AFVR event, measureable free phase product has not been detected and long term groundwater monitoring has continued. The September 2015 sampling data, contained herein, indicates that Naphthalene was detected above the North Carolina Administrative Code 2L Groundwater Quality Standards (NCAC 2L GWQS). Quarterly free product gauging and semi-annual groundwater monitoring is scheduled to continue with Ultraviolet Fluorescence (UVF) soil sampling planned upon the completion of two years of monitoring to determine if the anticipated monitored natural attenuation (MNA) reductions are continuing to occur.

If you have any questions or require additional information, please contact Ms. Elizabeth Harrison at (252) 466-4562 or email elizabeth.harrison@usmc.mil.

Sincerely,

G. W. RADFORD
Environmental Affairs Officer
By direction of the
Commanding Officer

Enclosure: Semi-Annual Groundwater Monitoring Report, SWMU POL Spill Site, Marine Corps Air Station Cherry Point, North Carolina, April 5, 2016 (CD included).